

INTELOFAX 21

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

25X1A

DATE DISTR. 11 00 1950

COUNTRY USSR/POLAND/CZECHOSLOVAKIA/EAST GERMANY

SUBJECT INSPECTION OF SIX SPECTACLE LENSES

NO. OF PAGES 2

PLACE ACQUIRED

NO. OF ENCLS.
(LISTED BELOW)

DATE ACQUIRED

SUPPLEMENT TO
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OF 6 SPECTACLE LENSES DESCRIBED BELOW, WHICH WERE ACQUIRED EARLY IN 1950 BY PURCHASE IN FINLAND:

- # 6. A $\frac{1}{2}$ 2.50 SPECTACLE LENS FROM THE METAL EXPORT FACTORY, WARSZAWA, BRAKA 5
- # 7. A $\frac{1}{2}$ 2.75 SPECTACLE LENS FROM EASTERN GERMANY
- # 8. A - 3.75 SPECTACLE LENS MARKED "SPHEROPUNKTAL LENS" IN RUSSIAN
- # 9. A $\frac{1}{2}$ 1.75 SPECTACLE LENS BELIEVED TO BE FROM THE ZEISS FACTORY IN EASTERN GERMANY
- # 10. A -1.0 SPHERICAL, $\frac{1}{2}$ 1.5 CYLINDRICAL SPECTACLE LENS FROM THE CZECHOSLOVAKIAN FACTORY OKULA
- # 11. A -2.50 SPECTACLE LENS OF EAST GERMAN ORIGIN

1. INSPECTION OF THE ABOVE LENSES HAS REVEALED THE FOLLOWING:

(A) LENS NUMBER 6

SIZE: 44.5MM ROUND
 SURFACE AND GLASS QUALITY: GRAY SURFACE, SHOWS ABUSE
 CENTERING ACCURACY: DECENTERED, NOT DOTTED
 THICKNESS: THIN, 0.3MM UNDER MINIMUM STANDARD
 FOCUS: MARKED $\frac{1}{2}$ 2.50, MEASURED 0.12 WEAK
 BASE CURVE: -6.00 DIOPTERS

(B) LENS NUMBER 7

SIZE: 47.5MM ROUND
 SURFACE AND GLASS QUALITY: FIRST QUALITY
 CENTERING ACCURACY: FIRST ZONE
 THICKNESS: 2.7MM, WITHIN SPECIFICATIONS
 FOCUS: MARKED $\frac{1}{2}$ 2.75, MEASURES 0.06WEAK
 BASE CURVE: -6.80 DIOPTERS

(C) LENS NUMBER 8

SIZE: 44.5 ROUND
 SURFACE AND GLASS QUALITY: SECOND QUALITY, SLIGHTLY GRAY
 CENTERING ACCURACY: SECOND ZONE
 THICKNESS: 1.0MM, 0.1MM OVER MAXIMUM STANDARD
 FOCUS: MARKED -3.75, MEASURES 0.06 DIOPTERS STRONG
 BASE CURVE: -10.25 DIOPTERS

(D) LENS NUMBER 9

SIZE: 47.5MM ROUND
 SURFACE AND GLASS QUALITY: SECOND QUALITY, SLIGHTLY GRAY
 CENTERING ACCURACY: SECOND ZONE
 THICKNESS: 2.0MM, 0.2MM UNDER MINIMUM STANDARD
 FOCUS: MARKED $\frac{1}{2}$ 1.75, MEASURES 0.06 WEAK
 BASE CURVE: -6.80 DIOPTERS

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(E) LENS NUMBER 10
 SIZE: 46.7MM ROUND
 SURFACE AND GLASS QUALITY: FIRST QUALITY
 CENTERING ACCURACY: SECOND ZONE
 THICKNESS: 1.0MM, 0.2MM UNDER MINIMUM STANDARD
 FOCUS: MARKED -1.0 SPHERICAL, ± 1.5 CYLINDRICAL, MEASURES
 -2.50 SPHERICAL, ± 1.50 CYLINDRICAL
 BASE CURVE: -8.50 DIOPTERS

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2. EVALUATION OF THE SAMPLES INSPECTED:

A. INSPECTION OF A SINGLE SAMPLE OF SPECTACLE LENS PRODUCTION IS INSUFFICIENT AS AN INDICATION OF THE QUALITY OF PERFORMANCE BY ITS MANUFACTURER. SINCE THESE LENSES WERE EXPORTED FOR SALE, HOWEVER, IT IS BELIEVED SAFE TO ASSUME THAT THEY HAVE PASSED AN INSPECTION OF SOME KIND AT THE POINTS OF THEIR ORIGIN AND THAT THEY ARE REASONABLY REPRESENTATIVE OF COMPARABLE LENSES AVAILABLE FOR SALE TO CONSUMERS IN THE COUNTRIES OF ORIGIN

B. THE INSPECTION REPORTED ABOVE HAS LED TO THE FOLLOWING JUDGMENT OF THE QUALITY OF THE LENSES DESCRIBED:

(1) LENSES MARKED 7 AND 11 (BOTH DESIGNATED AS FROM EASTERN GERMANY) GENERALLY MEET ACCEPTED AMERICAN FIRST QUALITY STANDARDS. THESE LENSES DIFFER IN SIZE FROM LENSES MARKETED IN THE USA, HOWEVER.

(2) THE LENS MARKED 10 (FROM CZECHOSLOVAKIA) IS REASONABLY GOOD BUT INFERIOR TO THE FIRST TWO, AND TO AMERICAN LENSES OF FIRST QUALITY.

(3) THE LENS MARKED 8 (FROM THE USSR) AND THE LENS MARKED 9 (FROM EASTERN GERMANY) ARE DECIDEDLY WORSE IN QUALITY THAN NUMBERS 7, 11, AND 10.

(4) THE LENS MARKED 6 (FROM POLAND) IS POOREST OF ALL IN QUALITY.

(5) THE LENSES EXAMINED EXHIBIT ROUGH EDGES AND POLISHING STREAKS INDICATING THAT PRELIMINARY SURFACE GRINDING HAD BEEN ACCOMPLISHED WITH A COARSER GRADE OF ABRASIVE.

C. THE LENS SIZE, THE TYPE USED IN PRINTING FOCUS AND THICKNESS, AND THE DISTINGUISHING MARKINGS ON THE ENVELOPES OF THE GERMAN LENSES (NUMBERS 7, 9, AND 11) MAY JUSTIFY THE CONCLUSION THAT THEY HAVE A COMMON ORIGIN (ZEISS FACTORY IN EASTERN GERMANY).

- END -

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